

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): An electric power steering device comprising:

a steering assist electric motor having an output shaft;

a speed reduction mechanism including an input shaft disposed coaxially with the output shaft of the electric motor; and

a power transmission joint which couples the output shaft of the electric motor to the input shaft of the speed reduction mechanism for power transmission, wherein the power transmission joint includes including an annular first engagement member co-rotatably connected to the output shaft of the electric motor, an annular second engagement member co-rotatably connected to the input shaft of the speed reduction mechanism, and an elastic member disposed between the first and second engagement members for transmitting a torque between the first and second engagement members, wherein:

the elastic member includes an annular main body, and a plurality of engagement arms provided at a predetermined intervals circumferentially of along the main body as and extending radially from the main body,

the first and second engagement members each includes a plurality of engagement projections engaged with the respective engagement arms of the elastic member circumferentially along of the main body,

the engagement arms of the elastic member each includes a pair of power transmission faces, which are engaged with power transmission faces of corresponding engagement projections of the first and second engagement members with interference[[s]] fits, and

the power transmission faces of the engagement arms include power transmission faces each having a relatively great interference fit and power transmission faces each having a relatively small interference fit relative to the power transmission faces having the relatively great interference fit.

Claim 2 (currently amended): An electric power steering device as set forth in claim 1, wherein the engagement arms in a free state not restricted by the first and second engagement members are arranged at intervals which include a relatively great interval as measured circumferentially of the main body and a relatively small interval relative to the relatively great interval, wherein the relatively great and small intervals are as measured circumferentially of along the main body.

Claim 3 (currently amended): An electric power steering device as set forth in claim 1, wherein the engagement arms in the-a free state not restricted by the first and second engagement members include an engagement arm having a relatively great thickness as measured circumferentially of the main body, and an engagement arm having a relatively small thickness relative to the engagement arm having the relatively great thickness, wherein the relatively great and small thicknesses are as measured circumferentially of along the main body.

Claim 4 (currently amended): An electric power steering device as set forth in claim 1, wherein the engagement projections of at least one of the first and second engagement members is a varying-interval engagement member, the varying-interval engagement member having engagement projections are arranged at intervals which include a relatively great interval as measured circumferentially of the at least one of the first and second engagement members

and a relatively small interval relative to the relatively great interval, wherein the great and small intervals are as measured circumferentially along of the at least one of the first and second the varying-interval engagement member[[s]].

Claim 5 (currently amended): An electric power steering device as set forth in claim 1, wherein the engagement projections of the at least one of the first and second engagement members is a varying-projection-thickness engagement member, the varying-projection-thickness engagement member including include an engagement projection having a relatively great thickness as measured circumferentially of the at least one of the first and second engagement members, and an engagement projection having a relatively small thickness relative to the engagement projection having the relatively great thickness, wherein the relatively great and small thicknesses are as measured circumferentially along the varying-projection-thickness engagement member of the at least one of the first and second engagement members.

Claim 6 (original): An electric power steering device as set forth in claim 1, wherein at least one of the power transmission faces of the engagement arms includes a cam surface which increases circumferential compression of the elastic member as the first and second engagement members axially approach each other.

Claim 7 (original): An electric power steering device as set forth in claim 1, wherein at least one of the engagement projections of at least one of the first and second engagement members has a cam surface which increases circumferential compression of the elastic member as the first and second engagement members axially approach each other.

Claim 8 (currently amended): An electric power steering device as set forth in claim 2, wherein

the engagement arms in the free state not restricted by the first and second engagement members include an engagement arm having a relatively great thickness ~~as measured circumferentially of the main body~~, and an engagement arm having a relatively small thickness relative to the engagement arm having the relatively great thickness, wherein the relatively great and small thicknesses are as measured circumferentially of along the main body.

Claim 9 (currently amended): An electric power steering device as set forth in claim 4, wherein ~~the engagement projections of the at least one of the first and second engagement members is a varying-projection-thickness engagement member, the varying-projection-thickness engagement member including include~~ an engagement projection having a relatively great thickness ~~as measured circumferentially of the at least one of the first and second engagement members,~~ and an engagement projection having a relatively small thickness relative to the engagement projection having the relatively great thickness, wherein the relatively great and small thicknesses are as measured circumferentially along the varying-projection-thickness of the at least one of the first and second engagement member[[s]].